

Example:



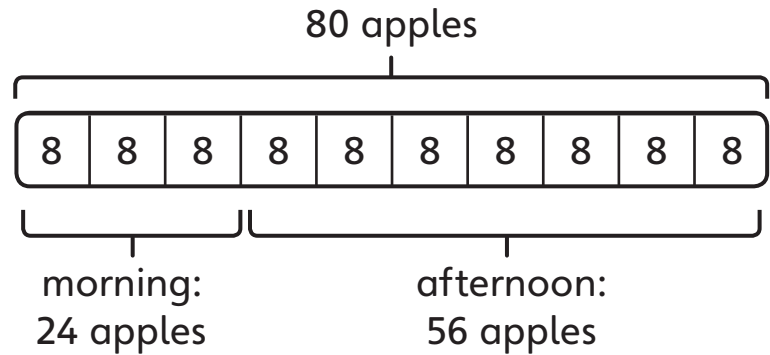
b) The Year 6 children eat $\frac{3}{10}$ of their apples in the morning.

$$\frac{1}{10} \text{ of } 80 = 8$$

$$\frac{3}{10} \text{ of } 80 = 3 \times 8 = 24$$

$$80 - 24 = 56$$

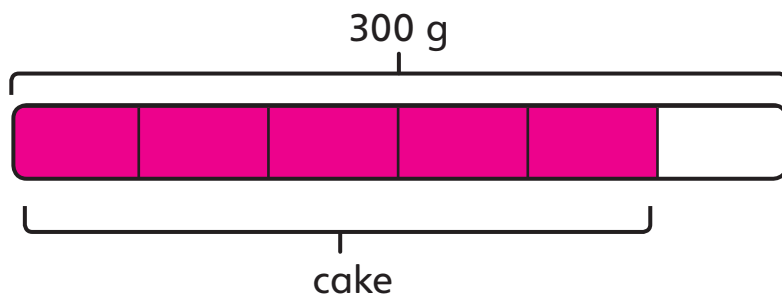
The Year 6 children eat 56 apples in the afternoon.



I just found $\frac{7}{10}$ of 80. If the children eat $\frac{3}{10}$ in the morning, they eat $\frac{7}{10}$ in the afternoon.

Think together

1 $\frac{5}{6}$ of this bag of flour is needed for a cake. How much flour is needed for the cake?



$$\frac{1}{6} \text{ of } 300 \text{ g is } 300 \div \square = \square \text{ g}$$

$$\frac{5}{6} \text{ of } 300 \text{ g is } \square \times \square = \square \text{ g}$$

g of flour is needed.

- 2 There are 28 children in a Year 6 class. $\frac{5}{7}$ of the children are going on a school trip.

How many children are **not** going on the trip?

children are not going on the trip.

I think I could complete this question without subtracting.



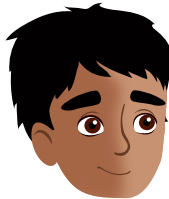
- 3 There are 36 children in a swimming lesson.

$\frac{1}{3}$ of the children are boys. $\frac{1}{2}$ of the boys wear goggles.

Mo and Richard are working out how many of the boys wear goggles.

I think 18 boys wear goggles, because $\frac{1}{2}$ of 36 is 18.

Mo



I did $36 \div 3 = 12$. I think 12 of the boys wear goggles.

Richard



Mo and Richard are both incorrect.

What mistakes have they made?

What is the correct answer?

Remember, you can draw a bar model to help you.



CHALLENGE